

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1.-5. (Canceled)

6. (Currently Amended) A material comprising a cured epoxy comprising an epoxy component mixture and a curing component mixture, wherein

a) the epoxy component mixture comprises an epoxy resin blended with an alkyl glycidyl ether, an epoxy diacrylate resin ~~blended with an acrylic monomer~~, and ceramic particles; and

b) the curing component mixture comprises a polyamide curing agent, a polyether polyamine curing agent, and ceramic particles.

7. (Previously Presented) The material as recited in claim 6, wherein said epoxy component mixture comprises:

a) an epoxy resin comprising a diglycidyl ether of bis-phenol-A mixed with a C₁₂-C₁₃ alkyl glycidyl ether,

b) an epoxy diacrylate resin comprising a diglycidyl ether of a bis-phenol-A mixed with acrylate monomers,

c) a C₁₂ - C₁₃ alkyl glycidyl ether;

d) an acrylic resin;

e) a silane treated cenosphere;

- f) a fiberglass; and
- g) hydrophobic fumed silica.

8-19. (Cancelled)

20. (Currently Amended) The material of claim 6, wherein the epoxy component mixture comprises: (a) an epoxy resin; (b) an epoxy diacrylate resin; (c) a viscosity-lowering diluent; (d) an acrylated silicon flow control agent; (e) ~~an aluminosilicate~~ a silane treated cenosphere ; (f) fiberglass pre-treated with epoxy silane; and (g) fumed silica.

21. (Currently Amended) The material of claim 6, wherein the curing component mixture comprises: (a) a polyamide curing agent for epoxy system; (b) a polyether polyamine curing agent; (c) an acrylated silicon flow control agent; (d) a zirconium oxide ceramic particulate; (e) ~~an aluminosilicate ceramic~~ a silane treated cenosphere ; (f) fiberglass pre-treated with epoxy silane; and (g) fumed silica.

22. (Previously Presented) The material of claim 6, wherein a 1.03 inch thick sample of the material has an insulation k value of about 0.08 Btu/hr/ft²/° or greater, at 78° F.

23. (Previously Presented) The material of claim 6, wherein the cured epoxy is free of visible degradation at compressive pressure of 5500 pounds.

24. (Previously Presented) The material of claim 6, wherein the epoxy component mixture and the curing component mixture are present in a ratio of about 1 to 1.

25. (Previously Presented) The material of claim 6, wherein the material under deflection of 45% maintains its structural integrity.

26. (Withdrawn and Currently Amended) ~~A material comprising a first syntactic foam material, a second syntactic foam material, and a cured epoxy comprising an epoxy component mixture and a curing component mixture, and~~ The composition of Claim 6, wherein

~~a) the epoxy component mixture comprises an epoxy resin, an epoxy acrylate resin, and ceramic particles; and~~

~~b) the curing component mixture comprises a polyamide curing agent, a polyether polyamine curing agent, and ceramic particles, and~~

~~wherein the~~ composition further comprises a first syntactic foam material and a second syntactic foam material and the cured epoxy is sandwiched located between the first and second syntactic foam materials.

27. (Withdrawn) The material of claim 26, wherein the epoxy component mixture and the curing component mixture are present in a ratio of 1 to 1.

28. (Withdrawn and Currently Amended) The material of claim 26, wherein the material ~~under~~ is very flexible and is able to achieve deflection of 45% ~~maintains its structural integrity.~~

29. (Withdrawn) The material of claim 26, wherein the ceramic particles are hollow aluminosilicate ceramic particles.

30. (Withdrawn) The material of claim 26, wherein the ceramic particles have a silane surface treatment.

31. (Withdrawn) The material of claim 30, wherein the silane surface treatment of the ceramic particles in the epoxy component mixture includes an epoxy chemical functionality; and the silane surface treatment of the ceramic particles in the curing component mixture includes an amine functionality.

32. (Withdrawn) The material of claim 26, comprising zirconium oxide ceramic particles.

33. (Withdrawn and Currently Amended) The material of claim 26, wherein the epoxy component mixture comprises: (a) a mixture of epoxy resin and a diluent; (b) a blend of acrylic monomers reactive with a primary amine; (c) a viscosity lowering agent; (d) an acrylated silicon flow control agent; (e) ~~an aluminosilicate ceramic~~ a silane treated cenosphere ; (f) fiberglass pre-treated with epoxy silane; and (g) fumed silica.

34. (Withdrawn) The material of claim 26, wherein said epoxy component mixture comprises:

- a) an epoxy resin comprising a diglycidyl ether of bis-phenol-A mixed with an alkyl glycidyl ether;
- b) an epoxy resin comprising a diglycidyl ether of a bis-phenol-A mixed with acrylic monomers;
- c) a silane-treated cenosphere;
- d) fiberglass; and
- e) hydrophobic fumed silica.

35 (Withdrawn and Currently Amended) The material of claim 26, wherein the curing component mixture comprises: (a) a polyamide curing agent; (b) a polyether polyamine curing agent; (c) an acrylated silicon flow control agent; (d) a zirconium oxide ceramic particulate; (e) ~~an aluminosilicate ceramic particulate~~ a silane treated cenosphere ; (f) fiberglass pre-treated with epoxy silane; and (g) fumed silica.